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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 560043610129

First Inventor or Application Identifier Kimbrough et al.

Title Fiber to the Home (FTTH) Multimedia Access System

nly for new nonprovisional applications under 37 C.F.R. § 1.53(b)) Express Mail Label No. ELԿ8レ3Ч84午3ルS

| APPLICATION ELEMENTS ADDRESS TO: Box Patent Application with patent applications. See MPEP chapter 600 concenting utility patent applications. See MPEP chapter 600 concenting utility patent application. See Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Descriptive tills of the Invention Cross References to Related Applications Statement Regarding Fed sponsored R & D Reference to Microfiche Appendix Background of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) ACCOMPANYING APPLICATION PARTS To Assignment Papers (cover sheet & document(s)) Total Pages To Traving(s) (35 U.S.C. 113) [Total Pages] A Oath or Declaration Newly executed (original or copy) Bull Copy from a prior application (37 C.F.R. § 1.63(d)) Copy from a prior application (37 C.F.R. § 1.63(d)) Copy from a prior application (37 C.F.R. § 1.63(d)) DELETION DE INVENTORIS Signed statement statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. § 1.63(d) (2) and 1.33(b). PROFESSION SERVING APPLICATION RELEGIATION SERVING Upon 10 To Avan Statut entire Fig. 8. Mark Interfect Copy of Prointing Copy of the Statement (including Copy) and Absolute the Statement (including Copy) and Absolute the Statement (including Copy) and Absolute the Statement (including Copy) and Copy to a prior application, see 37 C.F.R. § 1.63(d) (2) and 1.33(b). PROFESSION SERVING APPLICATION SERVING Upon 10 To Avan Statut entire Fig. 8. Mark Interfect Copy of Prointing Application, Status entire Fig. 8. Mark Interfect Copy of Prointing Copy and desired Copy of Prointing Copy and desired Copy of Prointing Copy and Copy an | Only for new i | nonprovisional applications under 37 C.P.R | . 9 1.33(b)) Expi | COO Man Ed | <i>Der 110.</i> C | 2100510 | | |
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| 1. | | | ion contents. | AD | DRESS TO | : Box Patent | Application | ints _N 2 |
| Submit an original and a duplicate for fee processing) Four Pages Sp | | | | 5. | Microfiche | | | |
| Descriptive title of the Invention Cross References to Related Applications Statement Regarding Fed sponsored R & D Reference to Microfiche Appendix Background of the Invention Brief Summary of the Invention Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure Torwing(s) (35 U.S.C. 113) Drawing(s) (35 U.S.C. 113) Draw | 2. Sp | pecification : [Total Page | | | ـــــ cleotide and/ | or Amino Acid | | |
| - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Claim(s) - Detailed Description - Claim(s) - Detailed Description - Claim(s) - Abstract of the Disclosure 3. | | | | | | | ble Copy | |
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| Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Claim(s) Drawing(s) (35 U.S.C. 113) [Total Sheets 6 1 1 1 1 1 1 1 1 1 | | | | | | <u>·</u> | | |
| - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 3. | | • | | - <u>-</u> - | ACCOMP/ | ANYING APP | LICATION PART | ſS |
| - Detailed Description - Claim(s) - Abstract of the Disclosure 3. | | • | ed) | 7. | Assignme | nt Papers (cov | er sheet & documer | nt(s)) |
| - Claim(s) - Abstract of the Disclosure 3. | | = : | ,0, | 8. | | | | |
| - Abstract of the Disclosure 3. | | • | | | ₹ ` | - | • | |
| 4. Oath or Declaration Total Pages 1 | A | Abstract of the Disclosure | |] ^{9.} | J * | | , ,, | |
| a. Newly executed (original or copy) b. Copy from a prior application (37 C.F.R. § 1.63(d)) c. Copy from a prior application (37 C.F.R. § 1.63(d)) i. DELETION OF INVENTIORIS Signed statement attached deleting inventor(s) named in the prior application, sea 37 C.F.R. § 1.63(d)(2) and 1.33(b). NOTE FOR ITEMS 1.3.13, in order to get extracted of the prior application, sea 37 C.F.R. § 1.63(d)(2) and 1.33(b). NOTE FOR ITEMS 1.3.13, in order to get extracted of the prior application, sea 37 C.F.R. § 1.63(d)(2) and 1.33(b). NOTE FOR ITEMS 1.3.13, in order to get extracted of the prior application in the prior application in the prior application information in the prior application information. Examiner | 3. 🗸 Dr | awing(s) (35 U.S.C. 113) [Total She | ets 16 | 10. | | | | |
| a. Newly executed (original or copy) b. Copy from a prior application (37 C.F.R. § 1.63(d)) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d))(2) and 1.33(b). FOR FIRE IN APPRIOR APPLICATION of PON SYMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED UPON 13.7 C | 4. Oath or I | Declaration [Total Pa | ges] | 11. | Preliminar | y Amendment | 3 | |
| b. Copy from a prior application (37 C.F.R. § 1.63(d)) (tor continuation/divisional with Box 16 completed) i. DELETION OF INVENTORIS) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). [NOTE FORTIELS 1.5.13: W ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.28). [NOTE FORTIELS 1.5.13: W ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27). KZGET [NOTE FOR FILED IN A PRIOR APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: [Continuation Divisional Continuation-in-part (CIP) of prior application information: Examiner For continuation of DIVISIONAL APPS only. The entire disclosure of the prior application information and prior of the disclosure of the accompanying continuation or divisional application from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application from which an oath or declaration is supplied or divisional application from the date in dical or allowed by the prior application in advertently omittely from the prior application from the date in dical or allowed and an application from the date in dical or allowed and an application from the date in dical or allowed and an application from the date in dical or allowed and an application from the date in dical or allowed and an application from the date in dical or allowed and an application from the date in dical or allowed and an application from the date in dical or allowed and an application from the date in dical or allowed and an application from the date in dical or allowed and an application from the date in dical dical dical dical distributions and the distribut | а. | Newly executed (original or cop | y) | 12. | | | | |
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| See 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). Note For Items 11.8.13: W Order TO BE entitled TO Pay SMALL ENTITY FIES, A SMALL ENTITY STATEMENT IS REQUIRED BY C.F.R. § 1.21). Address State State | | Signed statement attac | hed deleting | 14. | Certified C | opý of Priority | | |
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| Prior application information: Examiner For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied or reference. The incorporation can only be relied upon when a portion has been inadvertently omittel bringh deposition that the date is dical or allowed and is addressed at or date is dical or allowed and is addressed at or desired at or date is dical or allowed and is addressed at or desired at or date is dical or allowed and is addressed at or desired at or date is dical or allowed and is addressed at or desired at or date is dical or allowed and is addressed at or desired at or date is dical or allowed and is addressed at or desired at or date is dical or allowed and is addressed at or desired at or date is dical or allowed and is addressed at or date is dic | | | | | | | | |
| Treference. The incorporation can only be relied upon when a portion has been inadvertently omitted right that is states and rest to reduce the problem of the incorporation can only be relied upon when a portion has been inadvertently omitted right that is states. 17. CORRESPONDENCE ADDRESS Service "Express Mail Post Office to Address service under 37 CFR 1.10 on the date indicate or allow and rise addressed at or else is stant. Commit for Patents, Washington, D.C. Name David B. Cochran, Esq. JONES, DAY, REAVIS & POGUE North Point 901 Lakeside Avenue City Cleveland State Ohio Zip Code 44114 Country US Telephone (216) 586-7029 Fax (216) 579-0212 Name (Print/Type) David B. Cochran, Esq. Registration No. (Attomet/Agent) 39,142 | Prior ap | plication information: Examiner | antina di ala aura | of the prior | Gro | up / Art Unit: | | |
| Customer Number or Bar Code Label Customer No. or Attach bar code label here) Customer Number or Bar Code Label Customer No. or Attach bar code label here) Customer No. Or Attach bar code label he | under Box 4b | o, is considered a part of the disclosure | of the accompan | ying contin | application, il lation or divis | ional application | Phyderieveby hoo | Sopacerbor fee |
| Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) David B. Cochran, Esq. JONES, DAY, REAVIS & POGUE Morth Point 901 Lakeside Avenue City Cleveland State Ohio Zip Code 44114 Country US Telephone (216) 586-7029 Fax Registration No. (Attomey/Agent) 39,142 | reference. T | | | | | | | |
| Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Or attore and issaddressed for Assistant Commission for Patents, Washington, D.C. By Commission for Patents, Washington, D.C. Commission for Patents, Washington, D.C. By Commission for Patents, Washington, D.C. By Commission for Patents, Washington, D.C. By Commission for Patents, Washington, D.C. Registration No. (Attorney/Agent) Commission for Patents, Washington, D.C. Registration No. (Attorney/Agent) Address Commission for Patents, Washington, D.C. Registration No. (Attorney/Agent) | | 17. CC | RRESPONDE | NCE AD | DRESS | | | |
| City Cleveland State Ohio Zip Code 44114 | Custon | ner Number or Bar Code Label | | | | | | |
| Name David B. Cochran, Esq. JONES, DAY, REAVIS & POGUE Address North Point 901 Lakeside Avenue City Cleveland State Ohio Zip Code 44114 Country US Telephone (216) 586-7029 Fax (216) 579-0212 Name (Print/Type) David B. Cochran, Esq. Registration No. (Attorney/Agent) 39,142 | | | ustomer No. or Att | ach bar code | label here) | | | |
| North Point 901 Lakeside Avenue | Name | · · · · · · · · · · · · · · · · · · · | | , | | _ | | A.A. |
| State Ohio Zip Code 44114 | name | JONES, DAY, REAVIS & POGUE | | | | | | |
| 901 Lakeside Avenue | Address | North Point | | | | | | |
| Country US Telephone (216) 586-7029 Fax (216) 579-0212 Name (Print/Type) David B. Cochran, Esq. Registration No. (Attorney/Agent) 39,142 | | 901 Lakeside Avenue | | | | | | |
| Name (Print/Type) David B. Cochran, Esq. Registration No. (Attorney/Agent) 39,142 | City | Cleveland | State | | | Zip Code | | |
| | Country | US | Telephone | (216) 58 | 6-7029 | Fax | (216) 579-0212 | |
| Signature David Books and Date March 28, 2000 | Name (I | Print/Type) David B. Cochran, Esq. | | Re | gistration No. (| Attorney/Agent) | 39,142 | \neg |
| | Signatur | · David B.Com | In an | | | Date | March 28, 2000 | |

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PTO/SB/17 (12-98)

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| FEE TRANSMITTAL | Complete if Known | | | | |
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| | Application Number | Not Issued | | | |
| for FY 1999 | Filing Date | March 28, 2000 | | | |
| Patent fees are subject to annual revision. | First Named Inventor | Kimbrough et al. | | | |
| Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. | Examiner Name | Unknown | | | |
| | Group / Art Unit | Unknown | | | |
| TOTAL AMOUNT OF PAYMENT (\$) 1,182.00 | Attorney Docket No. | 560043610129 | | | |

| METHOD OF PAYMENT (check one) | FEE CALCULATION (continued) | | | | |
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| The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit | 3. ADDI Large Enti Fee Fee Code (\$) | ity Small e Fee | Entity Fee | | Fee Paid |
| Account Number 10-1202 (Ref. 560043610129) | 105 130 | - | 65 | Surcharge - late filing fee or oath | |
| Deposit Account Name JONES, DAY, REAVIS & POGUE | 127 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet. | |
| Charge Any Additional | 139 130 | 139 1 | 130 | Non-English specification | |
| Fee Required Under 37 CFR 1.16 and 1.17 | 147 2,520 | 0 147 2 | ,520 | For filing a request for reexamination | |
| | 112 920 |)* 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 2. Payment Enclosed: Check Money Other | 113 1,840 | 0* 113 ⁻ | 1,840* | Requesting publication of SIR after Examiner action | |
| FEE CALCULATION | 115 110 | 215 | 55 | Extension for reply within first month | |
| FEE CALCULATION | 116 380 | 216 1 | 190 | Extension for reply within second month | |
| 1. BASIC FILING FEE | 117 870 | 217 4 | 135 | Extension for reply within third month | |
| Large Entity Small Entity Fee Fee Fee Fee Description | 118 1,360 | 0 218 6 | 80 | Extension for reply within fourth month | |
| Code (\$) Code (\$) Fee Paid 101 760 201 380 Utility filing fee \$690.00 | 128 1,850 | 0 228 9 | 25 | Extension for reply within fifth month | |
| 101 760 201 380 Utility filing fee \$\\$690.00\$ 106 310 206 155 Design filing fee | 119 300 | 219 1 | 150 | Notice of Appeal | |
| 107 480 207 240 Plant filling fee | 120 300 | 220 1 | 150 | Filing a brief in support of an appeal | |
| 108 760 208 380 Reissue filing fee | 121 260 | 221 1 | 130 | Request for oral hearing | |
| 114 150 214 75 Provisional filing fee | 138 1,510 | 0 138 1, | 510 | Petition to institute a public use proceeding | |
| 114 130 214 73 Flovisional lilling lee | 140 110 | 240 | 55 | Petition to revive - unavoidable | |
| SUBTOTAL (1) (\$) 690.00 | 141 1,210 | 0 241 6 | 605 | Petition to revive - unintentional | |
| 2. EXTRA CLAIM FEES | 142 1,210 | 0 242 6 | 05 | Utility issue fee (or reissue) | |
| Fee from Extra Claims below Fee Paid | 143 430 | 243 2 | 215 | Design issue fee | |
| Total Claims 43 -20** = 23 X \$18.00 = 414.00 | 144 580 | 244 2 | 90 | Plant issue fee | |
| Independent 4 - 3** = 1 X \$78.00 = 78.00 | 122 130 | 122 1 | 30 | Petitions to the Commissioner | |
| Multiple Dependent = | 123 50 | 123 | 50 | Petitions related to provisional applications | |
| **or number previously paid, if greater; For Reissues, see below | 126 240 | 126 2 | 240 | Submission of Information Disclosure Stmt | |
| Large Entity Small Entity Fee Fee Fee Fee Description Code (\$) Code (\$) | 581 40 | 581 | | Recording each patent assignment per property (times number of properties) | |
| 103 18 203 9 Claims in excess of 20 | 146 760 | 246 | | Filing a submission after final rejection | |
| 102 78 202 39 Independent claims in excess of 3 | 149 760 | 249 | | (37 CFR 1.129(a)) | |
| 104 260 204 130 Multiple dependent claim, if not paid | 143 700 | 243 | | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 109 78 209 39 ** Reissue independent claims over original patent | Other fee (s | specify) _ | | | |
| 110 18 210 9 ** Reissue claims in excess of 20 and over original patent Other fee (specify) | | | | | |
| SUBTOTAL (2) (\$) 492.00 | Reduced b | y Basic F | iling F | ee Paid SUBTOTAL (3) (\$) | |
| SURMITTED BY Complete (if applicable) | | | | | |

| SUBMITTED BY | | | | Complete (if applicable) | |
|--------------------------|------------------------|------|----------------|----------------------------|--------|
| Typed or Printed Name | David B. Cochran, Esq. | | | Reg. Number | 39,142 |
| Signature | Devil B. Cocha | Date | March 28, 2000 | Deposit Account User ID | |

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